

Work Order ID 146130

Friday, May 06, 2016 9:00:19 AM

146130

Page 1

Item ID: D2739 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: 350 I Beam
 Start Date: 5/17/2016 Start Qty: 5.00 ***5*** Cust Item ID:
 Required Date: 5/20/2016 Req'd Qty: 5.00 ***5*** Customer:
 Reference:

Approvals: Process Plan: dem Date: 16/05/09 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2739	Rev E								

100 Skidtubes 0.00

100

Skidtubes

Skidtubes

Memo

1.05

- 1-Cut D2600-5 to length as per Dwg D2739.
- 2-Drill pilot holes in web using drilling Jig DT8162 as per Dwg D2739
- 3-Use uni-bit to open holes to finish size as per Dwg D2739.
- 4-Bevel Fwd end of extrusion and Deburr holes and ends.
- 5-Deburr

16-7-11 M.G. [Signature]

120

Chemical Conversion Coat per QSI005 4.1

0.00

120

HandFinish

Hand Finishing

Memo

0.60

16-7-12 M.G. [Signature]

P.T.O.

DQA:

Date: 16.08.09



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed:

Date: 16/07/14

Work Order update only ☐

Work Order: <u>146130</u> Part No. <u>D2739</u> NCR No. <u>16-5912</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☒</td> <td>Cross tube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☒	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																
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Description Work Order Deviation		Disposition		Completed By DAS 12 9-89 <u>16/7/12</u>																																																																
① Both ends of I-beam were chamfered One ϕ 0.750 hole opened to ϕ 1.00. ω P.C. operator ② 30° bevel was made on both side of web (should		Acceptable. gby ② No effect on strength.		Lead hand / Supervisor Approval Verification <u>16-7-11</u>																																																																
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Work Order ID 146130

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146130

Page 2

Item ID: D2739

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: 350 I Beam

Stop ***NS2***

Start Date: 5/17/2016 Start Qty: 5.00

5

Cust Item ID:

Required Date: 5/20/2016 Req'd Qty: 5.00

5

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursTool ID Tool # Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
StampDAS
18
9-89

130

QC5- Inspect part completeness to step on W/O

0.00

130

QC

Memo

0.10

Quality Control

5 8 16-07-12

140

Identify as per dwg & Stock Location: LG002

0.00

140

Packaging

Memo

0.05

Packaging

LOCATION : LG002

> 16-7-12 M.G./JL

150

QC21- Final Inspection - Work Order Release

0.00

150

QC

Memo

0.50

Quality Control

16/7/13 JH

DAS
21
9-89

JUL 13 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY																																																											
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	No Re-verification ☐	Operator ☐	Offset/Setup ☐	Supplier ☐	Training ☐	Use for Testing ☐	Poor Information ☐	Rushing ☐	Product Improvement ☐	Process Improvement ☐	Manufacturing Process ☐	Past Due ☐	Pressure/Forced ☐	Bending ☐	Centre Not Concentric ☐	Cracks ☐	Crimp/Kink/Ripple/Wave ☐	Cuffs ☐	Crushing ☐	Heat Treat ☐	Wave/Twist in Tube ☐	Marks/Chatter ☐	Temperature/Cure ☐	Set-up ☐	BOM/Route ☐	Broken/Damage/Defect ☐	Inspection Incomplete/Unqualified ☐	Contamination ☐	Countersink ☐	Cut Too Short ☐	Instructions Incomplete/Unclear ☐	Drill Holes ☐	Power Loss/Surge ☐	Folio/Program ☐	Grain ☐	Weld ☐	Wrong Stock Pulled ☐	Out of Sequence ☐	Off-set ☐	Mislabeled ☐	Fit/Function ☐	Misaligned/off center ☐	Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐	Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐	Misread ☐	Turning Sequence ☐
																								OTHER :																																							

Picklist Print

Friday, May 06, 2016 9:00:18 AM

Page 1
T

Work Order ID: 146130

146130

Parent Item: D2739

D2739

Parent Item Name: 350 I Beam

Start Date: 5/17/2016

Required Date: 5/20/2016

Start Qty: 5.00

Required Qty: 5.00

Comments: IPP Rev: C02.11.28ReformatKJ
IPP Rev: D 06-03-21 As Per Rev C JLM
IPP Rev: E 07-07-28 As per Rev D JLM Verified By: IPP Rev:F
10.11.02 as per revE DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2600-5-108		Manufactured	No				Each	37.0000		5			
D2600-5-108									**	16-7-8 M.G			
Extrusion 'I Beam' thin													

Location

Loc Qty

Loc Code

HALL

37

112593

37

5

DQA: _____ Date: _____

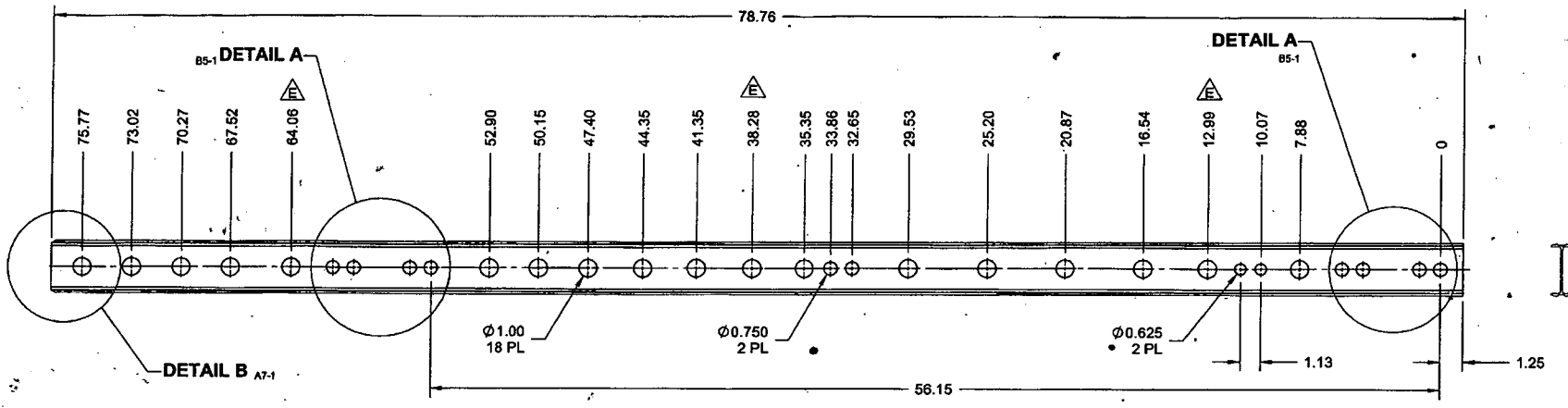
**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

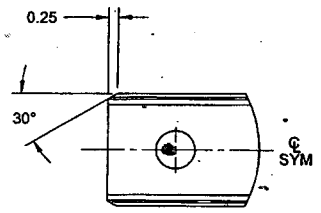
Work Order update only ☐

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Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

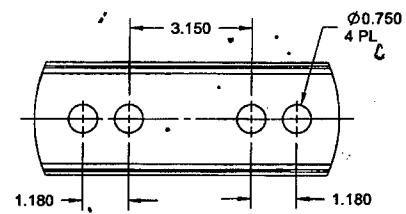
8 7 6 5 4 3 2 1



D2739 WEB



DETAIL B
SCALE 3X



DETAIL A
SCALE 3X

RELEASED
2010-11-01

- NOTES:
- 1) MATERIAL: MAKE FROM D2600-5 EXTRUSION
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: DART P/N "D2739" AND B/N PER DART QSI 044 6.1
 - 7) WEIGHT: 3.41 lbs

E	ADD/MOVE HOLES FOR D4154 WEARPLATE: 38.28 WAS 38.35 (D5-1), 64.06 WAS 64.77 (D7-1), ADD HOLE (D3-1)	CP	10.10.08
D	ADD BEVEL TO FWD END; ADD DETAIL B	CB	07.05.29
C	ADD/MOVE HOLES FOR COMPATIBILITY WITH APICAL FLOATS	PH	06.01.05
B	CHANGE HOLES FOR COMPATIBILITY WITH AIRCRUISER FLOATS	CP	98.11.18
A	NEW ISSUE	DS	98.04.16
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE USA, INC. PORT HADLOCK, WA DRAWING NO. D2739 TITLE WEB SCALE NTS COPYRIGHT © 1998 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL. WHO IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	
DRAWN	JP		
CHECKED	JP		
MFG. APPR.	JP		
APPROVED	JP		
DE APPR.	JP	REV. E	
DATE	10.10.08	SHEET 1 OF 1	

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Eng 16/05/09